

Yamaha Steinberg USB Driver Installation Guide

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What is Yamaha Steinberg USB Driver?

The Yamaha Steinberg USB Driver enables communication between a USB device (which is compatible with the Yamaha Steinberg USB Driver) and your computer.

System Requirements for Software

NOTE

- Note that the system requirements may be slightly different from those described below depending on the particular operating system.

Windows

OS	Windows XP Professional (SP3) / Windows XP Home Edition (SP3) / Windows Vista (SP1 or later, 32-bit/64-bit) / Windows 7 (32-bit / 64-bit)
CPU	Pentium / Athlon 2GHz or faster (dual core CPU recommended)
Memory	1GB or more (2GB or more on Windows 7 64-bit)
Interface	Equipped with a USB connector
Hard Disk	Free disk space of 100MB or more; high-speed hard disk

Mac OS X

OS	Mac OS X 10.4.11 / Mac OS X 10.5.x / Mac OS X 10.6.x
CPU	PowerPC G5 or Intel processor (Intel Core Duo CPU recommended)
Memory	1GB or more
Interface	Equipped with a USB connector
Hard Disk	Free disk space of 50MB or more; high-speed hard disk

Software Installation

NOTE

- If the same software components have already been installed in your computer, you can use the same procedure as described in the Installation instructions here to update the software.

Windows

Preparing to install 1

- 1** Disconnect all the devices other than the mouse and keyboard from the computer.
- 2** Start the computer and log on to the Administrator account.
Exit any open applications and close all open windows.

Preparing to install 2 (Windows XP only)

For Windows Vista/Windows 7 users, this setting is not necessary. Go on to step **6**.

- 3** Select [Start] → ([Settings] →)[Control Panel], click "Switch to Classic View" in the upper left of the window.

NOTE

- After completing the installation, make sure to restore the original settings if necessary.

- 4** Go to [System] → [Hardware] → [Driver Signing] → [Driver Signing Options], and select the radio button to the left of "Ignore – Install the software anyway and don't ask for my approval" and click [OK].

NOTE

- After completing the installation, make sure to restore the original settings if necessary.

- 5** Close the System Properties window by clicking the [OK] button or the Close button ([X]) to close the Control Panel.

Software Installation

- 6 Double-click “setup.exe” in the compressed file (you have downloaded).**
A “Welcome to the InstallShield Wizard for Yamaha Steinberg USB Driver” window appears.
(Windows Vista / Windows 7)
If the “User Account Control” window appears, click [Continue] or [Yes].
- 7 Click [Next] to start the installation.**
To cancel the installation, click [Cancel].
- 8 When a message appears indicating that the software has been installed, click [Finish].**
- 9 When a window appears requiring you to restart your computer, follow the onscreen instructions to restart the computer.**
- 10 Connect the device directly to the computer (without using a hub) by using an USB cable.**

Initial settings of driver (Windows XP only)

For Windows Vista / Windows 7 users, the initial settings of the driver are set automatically. Go on to step **14**.

- 11 The “Found New Hardware Wizard” window appears.**
Some computers may take a while to display the window.
A dialog box may appear asking you whether you wish to connect to Windows Update. In this case, select the radio button to the left of “Not at this time,” then click [Next].
- 12 Select the radio button next to “Install the software automatically” then click [Next].**
If a message “The software you are installing has not passed Windows Logo Testing” appears, click [Continue Anyway]. You do not need to abort the installation.
- 13 When a message appears indicating that the installation has been completed, click [Finish].**

Confirming the installation

- 14 Select [Control Panel] from the Start menu.**
- 15 Open the Device Manager window as follows.**
(Windows Vista / Windows 7)
Select [Hardware and Sound], then click [Device Manager].
If the “User Account Control” window appears, click [Continue] or [Yes].
(Windows XP)
Double-click on the System icon to call up the System Properties window, then select the Hardware tab and click [Device Manager].
- 16 Click on the [+] mark or [>] mark next to “Sound, video and game controllers,” and confirm that “(device name)” is listed.**

The installation is now complete.

Software Installation

- 1** Disconnect all the devices other than the mouse and keyboard from the computer.
- 2** Double-click “Yamaha Steinberg USB Driver.mpkg” in the compressed file (you have downloaded).
- 3** A dialog box appears asking if you want to install the software. Click [Continue].
The “Welcome to the Yamaha Steinberg USB Driver Installer” window appears.
- 4** Click [Continue].
The “Installation Type” window appears
- 5** Click [Install].
The “Authenticate” window appears.
- 6** Enter the Administrator name and the password, then click [OK].
A message appears prompting you to restart the computer after the installation.
- 7** Click [Continue Installation].
The “Install” window appears indicating the installation progress. When the installation is complete, the “Summary” window appears.
- 8** Click [Restart] to restart the computer.
- 9** Connect the device directly to the computer (without using a hub) by using an USB cable.

Confirming the installation (Mac OS X 10.4 / Mac OS X 10.5)

For Mac OS X 10.6 users, go on to step **12**.

- 10** From the hard disk to which the OS is installed (usually Macintosh HD), click [Applications] → [Utilities], then doubleclick [Audio MIDI Setup].
The “Audio MIDI Setup” window appears.
- 11** Click [Audio Devices], then select “(device name)” from the pull-down menu in [Properties For].
The current audio settings are shown in the [Audio input] and [Audio Output] fields.

NOTE

- By selecting “(device name)” for [Default Output] in System Settings, you can output audio signals of the system sounds and audio player software (e.g., iTunes, etc.) from the device.

The installation is now complete.
(Mac OS X 10.4 / Mac OS X 10.5)

Confirming the installation (Mac OS X 10.6)

- 12** From the hard disk to which the OS is installed (usually Macintosh HD), click [Applications] → [Utilities], then doubleclick [Audio MIDI Setup].
The “Audio Devices” window appears.
- 13** Select “(device name)” from the list of audio devices.
The current audio settings are shown in the right side of the window.

NOTE

- By selecting “using this device for sound output” in the Action menu at the left bottom of the window, you can output audio signals of audio player software (e.g., iTunes, etc.) from the device.

The installation is now complete. (Mac OS X 10.6)

Changing the driver settings

Windows

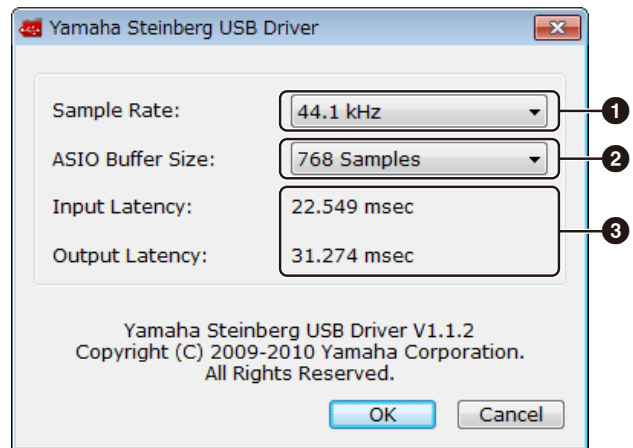
You can change the driver settings from the control panel of the driver.

Opening the control panel of the driver

Use one of the following methods to open the control panel of the driver.

- Select [Start] → [Control Panel] → [Hardware and Sound (or [Sounds, Speech, and Audio Devices])] then click [Yamaha Steinberg USB Driver]
- If you are using Cubase series 5.1 or later, from the Device field on the Device Setup window (called up via [Device] → [Device Setup...]) of Cubase, select “Yamaha Steinberg USB ASIO,” then click “Control Panel.”

Control panel of the driver



① Sample Rate

Specifies the sample rate of the device compatible with Yamaha Steinberg USB Driver.

② ASIO Buffer Size

Determines the buffer size for the ASIO driver.

③ Input Latency / Output Latency

Indicates the delay time for the audio input/output in millisecond units. Audio latency differs depending on the value of the ASIO Buffer Size. The lower the value of the ASIO Buffer Size, the lower the value of Audio Latency.

Mac OS X

The driver settings can usually be adjusted via the audio driver setup window in the application. This section describes how to change the driver settings, using Cubase as an example.

Changing the sample rate (in Cubase)

Open the “Project Setup” window (called up via [Project] → [Project Setup]), then change the “Sample Rate” in the displayed window.

Changing the buffer size (in Cubase)

From the Device field on the Device Setup window (called up via [Device] → [Device Setup...]), select “(device name)” then click “Control Panel.” Change the “Buffer Size” in the displayed window.

TIP

Setting the audio driver buffer size

Noise produced when using audio applications such as DAW software may affect audio recording and/or playback. In most cases, you can solve these problems by adjusting the audio driver buffer size (the size of memory used to temporarily hold data to avoid intermittent playback). While the higher buffer size reduces load to the computer CPU but produces latency (time lag) during recording/playback, the smaller buffer size may result in noise or the sound cutting off. Make sure to set the buffer size to an appropriate value depending on the performance of your computer, the number of audio/MIDI tracks being recorded/played back on the DAW software, the number of plug-in software, and so on.

Uninstalling the Software

Windows

- 1 Disconnect all other USB devices except mouse and keyboard from the computer.**
- 2 Log on to the Administrator account.**
Exit any open applications and close all open windows.
- 3 Open the window for the uninstall operation as follows.**
(Windows Vista / Windows 7)
From the Start menu, select [Control Panel]
→ [Uninstall a Program] to call up the "Uninstall or change a program" panel.

(Windows XP)
From the Start menu, select ([Settings] →) [Control Panel] → [Add or Remove Programs] to display the Add or Remove Programs panel. Click "Change or Remove Programs" located in the upper left.
- 4 Select "Yamaha Steinberg USB Driver" from the list.**
- 5 Uninstall them as follows.**
(Windows Vista / Windows 7)
Click the [Uninstall] / [Uninstall / Change].
If the "User Account Control" window appears, click [Continue] or [Yes].
Follow the on-screen instructions to remove the software.

(Windows XP)
Click [Change / Remove] / [Remove].
Follow the on-screen instructions to remove the software.

Mac OS X

Remove the following folders and files from the boot disk (usually Macintosh HD).

```
/System/Library/Extensions
    YamahaSteinbergUSBAudio.kext
/Application/Yamaha/USBDriver/
    Yamaha Steinberg USB Control Panel.app
/Library/PreferencePanes/
    Yamaha Steinberg USB.prefPane
/Library/Preferences/
    com.yamaha.YamahaSteinbergUSBDriver.plist
/Library/Audio/MIDI Drivers/
    YamahaSteinbergUSBMIDI.plugin
/Library/Audio/MIDI Devices/Yamaha/Images/
    USB_1500.tiff
    USB_1502.tiff
/Library/Receipts/
    YamahaSteinbergUSBAudioDriver.pkg
    YamahaSteinbergUSBControlPanel.pkg
    YamahaSteinbergUSBDriverplist.pkg
    YamahaSteinbergUSBMIDIPlugIn.pkg
    YamahaSteinbergUSBMIDIIcon.pkg
    YamahaSteinbergUSBPrefPane.pkg
```

Troubleshooting

No sound.

- **Are your speaker cables connected properly?**
- **Are your speaker cables shorted?**
- **Are the volume controls of your sources, audio devices, applications software, computer operating system, etc., set at appropriate levels?**
- **(Windows only) Is the output of your computer operating system muted?**
- **Do you have several applications running at the same time?**
Be sure to quit all applications you are not using.

Noise occurs, or the sound is intermittent or distorted.

- **Does your computer satisfy the system requirements?**
Refer to “System Requirements for software” on page 3.
- **Is the buffer size setting of the Yamaha Steinberg USB Driver set properly?**
Refer to the “Changing the driver settings” on page 6.
- **Are any other applications, device drivers, or USB devices (scanners, printers, etc.) running at the same time?**
Be sure to quit all applications you are not using.
- **Are you playing back a large number of audio tracks?**
The number of tracks you can play at the same time will depend on the performance of the computer you are using. You may experience intermittent playback if you exceed your computer's capabilities.
- **Are you recording or playing long continuous sections of audio?**
The audio data processing capabilities of your computer will depend on a number of factors including CPU speed and access to external devices.
- **Is the network adaptor running?**
Disable the suspected network adaptor. Some network adaptors can cause noise.